

Mineral Industry Surveys

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ALUMINUM IN JULY 2005

Domestic primary aluminum production in July was 210,027 metric tons (t), according to the U.S. Geological Survey. The average daily production rate was 6,775 t, about 1% lower than that of the previous month but 1% above the rate for July 2004. The monthly average U.S. market price of primary aluminum ingot increased to 84.69 cents per pound in July from 83.35 cents per pound in June, according to Platts Metals Week. The American Metal Market buying price range for aluminum used beverage cans (UBCs) fluctuated during July. On July 1, the buying price range decreased to 58.5–60.5 cents per pound. On July 6, the price range decreased again to 57–59 cents per pound before returning to 60–62 cents per pound on July 12, the price

range at the end of June. On July 26, the buying price range decreased to 59–61 cents per pound and remained at this level through the end of the month.

Update

The monthly average U.S. market price of primary aluminum ingot increased in August to 88.06 cents per pound. The American Metal Market buying price range for aluminum UBCs was relatively stable during August. On August 4, the price increased to 63–64 cents per pound and remained at this level until August 30, when it decreased a penny to 62–63 cents per pound.

TABLE 1
COMPONENTS OF ALUMINUM SUPPLY¹

(Thousand metric tons)

Period	Primary production	Secondary recovery ²			Imports for consumption			Total new supply ³	Total stocks, end of period ⁴
		New	Old	Total	Metals and alloys, crude	Plates, sheets, bars, etc.	Total		
2004 ^p	2,516	1,820	1,200	3,020 ^r	3,250	938	4,180	9,720	1,470
2004:									
July	209	151	99	250	297	80	377	836	1,490
August	210	158	107	265	225	87	312	787	1,470
September	203	152	105	257	279	84	364	824	1,420
October	211	159	106	265	286	84	370	847	1,390
November	207	149	103	252	272	84	356	815	1,420
December	211	138	94	231	294	82	377	819	1,470
January-July	1,474	1,070	682	1,750	1,890	516	2,400	5,630	1,440
2005:									
January	209	157	95 ^r	252 ^r	334	90	425	886 ^r	1,510
February	191	151 ^r	91 ^r	242 ^r	289	97	386	819 ^r	1,450
March	214	165 ^r	96 ^r	261 ^r	262	105	367	841 ^r	1,480
April	211	156 ^r	95 ^r	251 ^r	372	104	476	938 ^r	1,490
May	214	153 ^r	98 ^r	251 ^r	372	104	476	941 ^r	1,520
June	206	150 ^r	96 ^r	246 ^r	324	107	431	882 ^r	1,570
July	210	147	89	236	NA	NA	NA	NA	NA
January-July	1,455	1,080	660	1,740	NA	NA	NA	NA	NA

^pPreliminary. ^rRevised. NA Not available.

¹Data are rounded to no more than three significant digits, except "Primary production"; may not add to totals shown.

²Metallic recovery from purchased, tolled, or imported scrap, expanded for full coverage of industry.

³Primary production, secondary recovery, and imports for consumption.

⁴Inventory levels reflect total for both U.S. and Canadian producers; data from the Aluminum Association Inc.

TABLE 2
ESTIMATED FULL COVERAGE CONSUMPTION OF AND METALLIC RECOVERY FROM
PURCHASED NEW AND OLD ALUMINUM SCRAP¹

(Thousand metric tons)

Period	Secondary smelters		Integrated aluminum companies		Independent mill fabricators		Foundries		Other consumers		Total	
	Consumption	Metal recovery	Consumption	Metal recovery	Consumption	Metal recovery	Consumption	Metal recovery	Consumption	Metal recovery	Consumption	Metal recovery
2004 ^p	1,680	1,240	754	668	1,080	1,010	110	98	5	5	3,630	3,020
2004:												
July	136	99	66	58	91	85	8	7	(2)	(2)	301	250
August	147	109	67	60	95	89	8	7	(2)	(2)	318	265
September	143	105	67	59	91	84	9	8	(2)	(2)	309	257
October	148	110	64	56	97	91	9	8	(2)	(2)	319	265
November	145	107	64	56	87	81	9	8	(2)	(2)	305	252
December	132	97	61	54	77	72	8	7	(2)	(2)	279	231
January-July	965	712	432	383	634	592	67	59	3	3	2,100	1,750
2005:												
January	140 ^r	101 ^r	64 ^r	57 ^r	92	86	9	8	(2)	(2)	304 ^r	252 ^r
February	139 ^r	100 ^r	63 ^r	56 ^r	83	78	8	7	1	1	293 ^r	242 ^r
March	143 ^r	103 ^r	67 ^r	60	96	90	8	7	1	1	315 ^r	261 ^r
April	139 ^r	101 ^r	66 ^r	59 ^r	89	83	8	7	1	1	303 ^r	251 ^r
May	144 ^r	104 ^r	69	61	84	79	8	7	1	1	305 ^r	251 ^r
June	138 ^r	100 ^r	67 ^r	60	83	78	9	8	1	1	298 ^r	246 ^r
July	134	97	66	58	78	74	8	7	1	1	287	236
January-June	977	706	462	410	605	568	58	51	6	6	2,110	1,740

^pPreliminary. ^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Less than 1/2 unit.

TABLE 3
CONSUMPTION OF AND RECOVERY FROM PURCHASED
NEW AND OLD ALUMINUM SCRAP IN JULY 2005¹

(Metric tons)

	Consumption		Calculated metallic recovery	
	Tabulated reports	Estimated full coverage	Tabulated reports	Estimated full coverage
Secondary smelters	112,000	134,000	80,600	96,800
Integrated aluminum companies	65,900	65,900	58,400	58,400
Independent mill fabricators	65,200	78,200	61,300	73,500
Foundries	6,660	8,000	5,860	7,030
Other consumers	422	507	422	507
Total	250,000	287,000	207,000	236,000

¹Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 4
PURCHASED AND TOLL-TREATED ALUMINUM-BASE SCRAP AND SWEATED PIG IN JULY 2005¹

(Metric tons)

	July			January-July ²		
	Stocks, opening	Net receipts ³	Melted or consumed	Stocks, closing	Net receipts ³	Melted or consumed
New scrap:						
Extrusion	18,900 ^r	46,500	48,500	16,800	369,000	373,000
Can stock clippings	1,940 ^r	30,000	29,100	2,920	205,000	205,000
Other wrought sheet/clippings	8,010 ^r	24,500	24,700	7,870	167,000	167,000
Casting	1,710	7,310	7,150	1,870	56,900	56,400
Borings and turnings	7,620 ^r	12,100	12,100	7,620	96,800	92,200
Dross and skimmings	5,280	34,900	34,800	5,410	250,000	250,000
Total new scrap	43,400 ^r	155,000	156,000	42,500	1,150,000	1,140,000
Old scrap:						
Used castings	6,110 ^r	14,100	14,100	6,080	70,200	68,300
Used Extrusion	42	257	257	42	1,800	1,800
Used cans (shredded, loose, baled)	3,990 ^r	60,400	59,300	5,010	427,000	427,000
Other wrought products	5,630	8,200	8,200	5,630	110,000	110,000
Fragmentized shredder (auto shredder)	3,560 ^r	10,900	11,100	3,370	76,300	75,300
Total old scrap	19,300 ^r	93,800	93,000	20,100	686,000	683,000
Sweated pig	56	668	668	56	5,020	5,010
Total all classes	62,800 ^r	250,000	250,000	62,700	1,840,000	1,830,000

^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes revised data from previous month(s).

³Includes data on imported aluminum-base scrap.

TABLE 5
ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS IN THE UNITED STATES FOR 2005^{1,2}

(Metric tons)

	July				January-July ³	
	Stocks, opening	Production	Net shipments	Stocks, closing	Production	Net shipments
Die-cast alloys:						
13% Si, 360, etc. (0.6% Cu, max.)	5,570 [†]	1,190	1,320	5,440	11,300	8,820
380 and variations	3,680 [†]	15,200	15,000	3,900	117,000	118,000
Sand and permanent mold:						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	1,450 [†]	1,810	1,830	1,430	12,900	13,000
No. 319 and variations	3,560 [†]	5,290	4,970	3,870	45,800	44,800
F-132 alloy and variations	977 [†]	760	762	975	13,400	13,500
Al-Zn alloys	215	134	139	210	978	990
Al-Si alloys (0.6% to 2.0% Cu)	39	3	3	39	22	22
Al-Cu alloys (1.5% Si, max.)	50	381	381	50	2,660	2,660
Other ⁴	7,680	4,900	4,400	8,180	40,000	37,100
Wrought alloys:						
Extrusion billets	11,000 [†]	21,700	21,400	11,300	150,000	149,000
Total all alloys	34,200 [†]	51,300	50,200	35,400	394,000	388,000
Less:						
Primary aluminum consumed	XX	10,600	XX	XX	78,100	XX
Primary silicon consumed	XX	1,880	XX	XX	16,100	XX
Other alloying ingredients consumed	XX	584	XX	XX	4,420	XX
Net metallic recovery from aluminum scrap and sweated pig consumed in production of secondary aluminum ingot ⁵	XX	38,300	XX	XX	296,000	XX

[†]Revised. XX Not applicable.

¹Excludes integrated aluminum companies.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Includes revised data from previous months.

⁴Includes alloys No. 12, Al-Mg, Al-Si-Cu-Ni, aluminum-base hardeners, variations of these alloys, plus other aluminum alloys.

⁵No allowance made for melt-loss of primary aluminum and alloying ingredients.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF ALUMINUM IN JUNE 2005¹

(Metric tons)

Country	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	June	January- June	June	January- June	June	January- June	June	January- June
Argentina	5,110	31,300	12	2,930	--	--	5,120	34,300
Australia	5,990	35,900	15	77	--	1,210	6,010	37,200
Bahrain	198	1,160	1,690	7,960	--	--	1,880	9,120
Belgium	18	18	1,240	6,430	--	--	1,260	6,440
Brazil	9,760	111,000	2,430	19,100	--	126	12,200	131,000
Canada	200,000	915,000	44,600	258,000	26,900	153,000	272,000	1,330,000
China	5,230	54,100	13,100	57,400	--	126	18,300	112,000
France	126	568	405	3,670	--	37	531	4,270
Germany	77	1,350	10,600	55,700	92	190	10,800	57,300
Hungary	--	--	693	1,870	--	--	693	1,870
Italy	185	366	342	1,360	--	--	527	1,730
Japan	21	376	2,020	9,780	25	295	2,070	10,400
Korea, Republic of	14	52	130	1,580	--	--	144	1,630
Mexico	--	--	1,870	10,800	10,300	55,600	12,200	66,400
Netherlands	98	275	394	1,340	--	--	492	1,620
Norway	3,970	3,970	3	66	--	2	3,970	4,040
Russia	54,600	531,000	5,940	32,700	957	3,950	61,500	567,000
South Africa	8,290	40,700	5,100	24,600	--	--	13,400	65,300
Spain	24	32	333	1,630	--	106	357	1,770
Sweden	--	--	479	1,680	--	--	479	1,680
Switzerland	133	150	355	1,820	--	--	488	1,970
Tajikistan	9,100	83,200	--	--	--	--	9,100	83,200
United Arab Emirates	6,710	32,300	40	172	--	454	6,750	32,900
United Kingdom	3,690	20,000	658	4,090	258	1,120	4,600	25,200
Venezuela	5,980	64,500	649	7,050	611	6,980	7,240	78,500
Other	4,370	26,800	13,900	95,100	4,150	26,400	22,500	148,000
Total	324,000	1,950,000	107,000	606,000	43,300	250,000	474,000	2,810,000

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 7
U.S. EXPORTS OF ALUMINUM IN JUNE 2005¹

(Metric tons)

Country or territory	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	June	January- June	June	January- June	June	January- June	June	January- June
Australia	57	160	126	838	--	12	182	1,010
Azerbaijan	--	--	--	2	--	--	--	2
Belgium	45	581	855	3,620	214	214	1,110	4,410
Brazil	1	137	1,490	4,600	81	1,380	1,570	6,120
Canada	10,400	63,900	40,700	252,000	13,900	77,900	65,100	394,000
China	8	111	5,890	17,100	45,500	247,000	51,400	264,000
Czech Republic	--	--	9	184	--	--	9	184
Dominican Republic	--	8	42	211	--	--	42	219
France	346	652	642	4,110	--	45	988	4,810
Germany	137	390	685	4,130	17	239	840	4,760
Hong Kong	--	198	565	3,180	1,080	5,100	1,650	8,480
India	88	126	67	228	440	5,290	595	5,640
Israel	147	378	232	1,580	--	--	379	1,950
Italy	--	175	195	1,440	--	--	195	1,620
Japan	444	2,420	753	4,740	2,900	15,800	4,100	22,900
Korea, Republic of	242	672	971	7,410	10,500	67,800	11,700	75,900
Malaysia	5	16	76	4,840	--	47	81	4,910
Mexico	17,000	86,400	20,500	97,300	8,310	30,600	45,800	214,000
Netherlands	7	78	28	299	--	37	35	414
Russia	--	28	21	25	--	11	21	63
Saudi Arabia	--	(2)	3,180	15,900	--	--	3,180	15,900
Singapore	16	276	170	1,330	7	551	193	2,150
Spain	1	34	64	433	--	196	65	663
Sweden	--	9	40	219	--	--	40	228
Taiwan	21	158	472	4,350	4,300	25,700	4,790	30,200
Thailand	35	210	465	3,580	655	3,660	1,160	7,450
Ukraine	--	--	1	1	--	--	1	1
United Kingdom	33	202	1,680	7,930	3	143	1,720	8,270
Venezuela	8	12	388	828	--	21	396	861
Other	548	2,380	2,510	17,100	4,280	23,100	7,340	42,500
Total	29,600	160,000	82,900	460,000	92,300	505,000	205,000	1,120,000

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Less than 1/2 unit.

Source: U.S. Census Bureau.